Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/19/2022 08:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124417	-1	1.95	124317	1.95
Blue	F	SSC	125000	125482	0	3.75	126086	3.68
Blue	E	FITC	15860	15409	-3	2.64	377	14.09
Blue	D	PE	27718	27106	-3	2.15	631	10.45
Blue	B	PerCP-Cy5-5	38046	37119	-3	3.35	1014	15.31
Blue	A	PE-Cy7	26092	25530	-3	5.12	502	31.77
Red	C	APC	49104	48168	-2	2.64	1697	11.45
Red	A	APC-Cy7	28201	27563	-3	3.05	727	12.50
Violet	B	V450	9904	9415	-5	3.93	527	12.08
Violet	A	V500	39004	37093	-5	3.51	969	9.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23867	2.30	569	0	N/A	N/A	Pass
Blue	F	SSC	55987	2.30	525	-3	N/A	N/A	Pass
Blue	E	FITC	58	57.86	494	3	0.0464	221	Pass
Blue	D	PE	123	39.65	499	3	0.4631	402	Pass
Blue	B	PerCP-Cy5-5	139	45.85	592	3	0.0188	74	Pass
Blue	A	PE-Cy7	63	94.35	634	2	0.0198	0	Pass
Red	C	APC	328	26.07	578	-3	0.0272	108	Pass
Red	A	APC-Cy7	97	43.93	551	-4	0.0061	1312	Pass
Violet	B	V450	86	50.63	462	4	0.0507	2074	Pass
Violet	A	V500	122	36.75	473	4	0.0255	2079	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.64 - 71.46	N/A	N/A	-32.37	-31.97	1.05
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	16.62	13.90 - 20.86	N/A	N/A	30.32	30.57	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9877

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments